TEST RESULTS OF GRADATION FOR BM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2017-09-15-01** **Date: 16-09-17**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains 11th B and 12th Cross roads at Vishweshwaraiah layout in Ward no.14
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-10.
Customer Reference	:	BBMP/EE/DD/WO/36/2017-18
Source of Sample	:	Sample supplied by Agency
Date of Receipt	:	15-09-17
Sample ID No	:	2017-09-15-01-01
Type of Mix	:	BM (Bituminous Macadam)
Date of test	:	15-09-17

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	470	470
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.0	6.0
4	Average percentage	%	6.0	

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

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Lab ID : **CP-RW-2017-09-15-01** **Date: 16-09-17**

Sample ID No : **2017-09-15-01-01**

AFTER EXTRACTION(Trail-1)

Weight of Sample : 470 Grams

IS Sieve Size(mm)	Weight Retained	Comulative Weight	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH
37.5	0	0	0	100.0	100
26.5	0	0	0.00	100.0	90-100
19	47	47	10.00	90.0	71-95
13.2	52.5	99.5	21.17	78.8	56-80
4.75	166.5	266	56.60	43.4	38-54
2.36	64.5	330.5	70.32	29.7	28-42
0.3	48	378.5	80.53	19.5	7-21
0.075	62.5	441	93.83	6.2	2-8

AFTER EXTRACTION(Trail-2)

Weight of Sample : 470 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH
37.5	0	0	0	100.0	100
26.5	0	0	0.00	100.0	90-100
19	48	48	10.21	89.8	71-95
13.2	65	113	24.04	76.0	56-80
4.75	164	277	58.94	41.1	38-54
2.36	44	321	68.30	31.7	28-42
0.3	72	393	83.62	16.4	7-21
0.075	50	443	94.26	5.7	2-8

Note:-

The results pertain to the samples received and tested.

All information furnished by the Customer/ Representative.

Any correction in the report will make this report invalid.

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Samples will be disposed after 30 days from the date of issue of test certificate

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R KARTHIK RECHAN

Authorized Signatory

Quality Manager

End of Report

PHYSICAL REQUIREMENTS FOR COARSE AGGREGATE FOR BITUMINOUS CONCRETE

Lab ID	:	**CP-RW-2017-09-09-01** **Date: 13-09-17**
Customer	:	Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T. Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains 11th B and 12th Cross roads at Vishweshwaraiah layout in Ward no.14
Agency	:	Technical Manager(West), KRIDL, Project Implementation Unit, No.280, 59th Cross 17th C main road 3rd Y Block, Rajajinagar, Bangalore.
Customer Reference	:	BBMP/EE/DD/WO/36/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-09-17
Sample ID No	:	2017-09-09-01/01
Type of Mix	:	BC (Bituminous Concrete)
Date of test	:	09-09-17

Table 500-16 : Physical Requirements fo Coarse Aggregate for Bituminous Concrete

Property	Test	Result	Specification	Method of Test
Partical Shape	Flakiness Index	12.9	Combined Flakiness & Elongation Index for BC is Maximum 35%	IS:2386 Part I
	Elongation Index	13.7		
Strength	Aggregate Impact Value	24.3	Maximum 24%	IS:2386 Part IV
Specific gravity	Specific gravity	2.6	Maximum 2.7	IS:2386 Part III
Water Absorption	Water Absorption	0.23	Maximum 2%	IS:2386 Part III

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 30 days from the date of issue of test certificate

Prepared By:
Harshitha

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL PRO BANGALORE Sig..... Date.....

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R KARTHIK RECHAN
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Quallity Manager

End of Report